

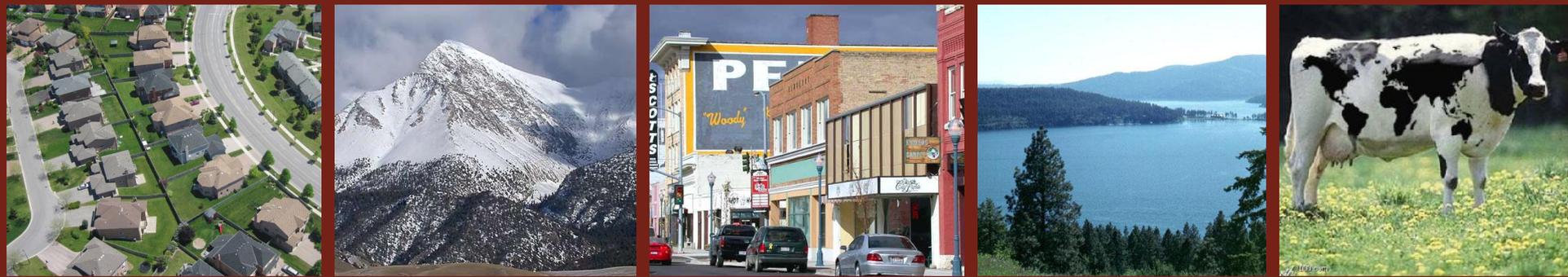
Vertical Integration Exercise

Example Worksheet Responses

What Framework dataset do you work with the most?
= **Parcels**

What four other Framework datasets do you use the most in developing or updating your primary dataset referenced above? If you don't develop or maintain any Framework datasets, what do you know you would need if you did?
= **Roads, Cadastral Reference, Hydrography, Imagery**

VERTICAL INTEGRATION



GIS Week October 2010
Danielle Favreau & Gail Ewart

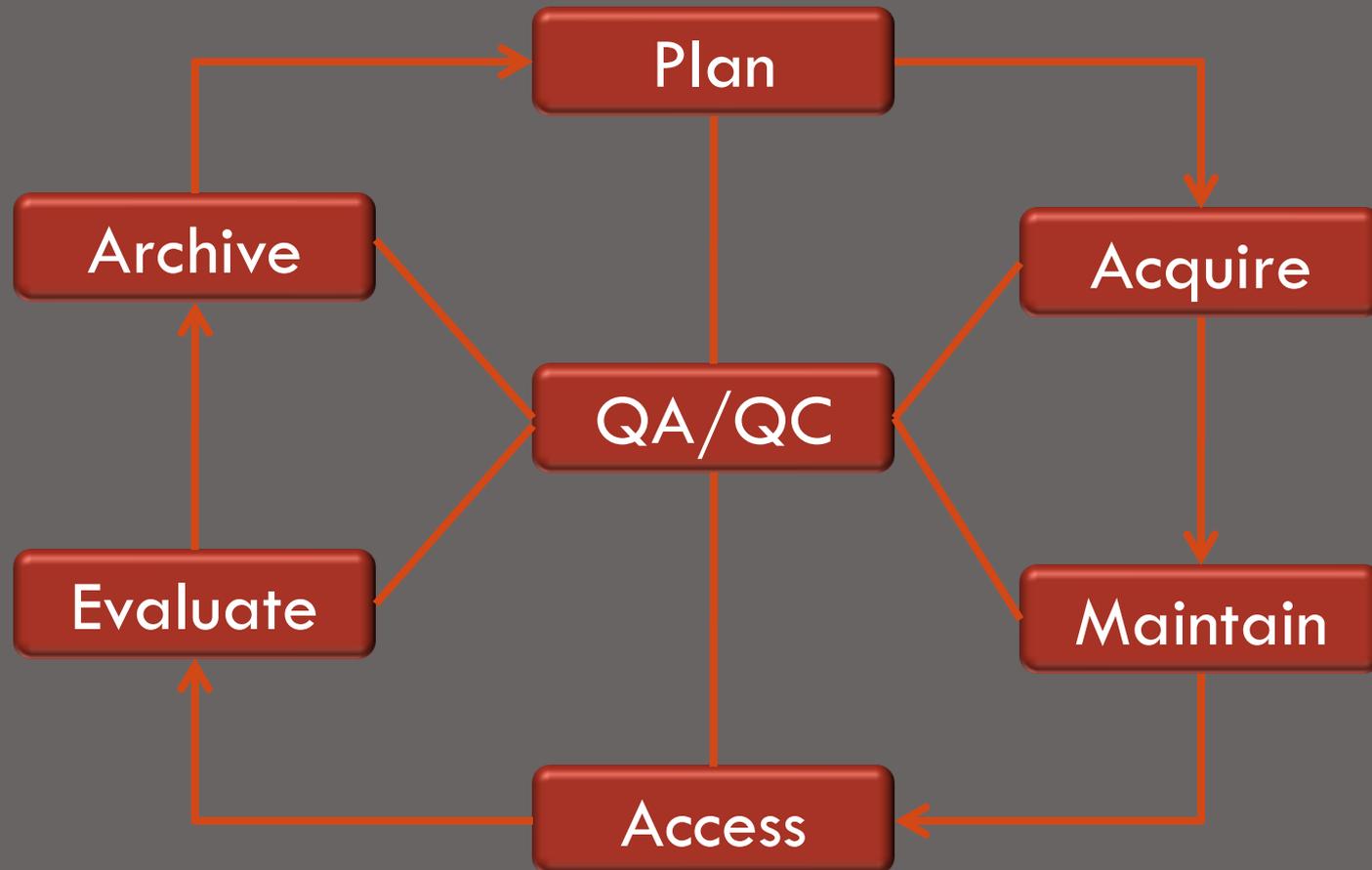
Stewardship Defined

The willingness to be accountable for a set of business information for the well-being of the larger organization, by operating in service, rather than in control, of those around us.



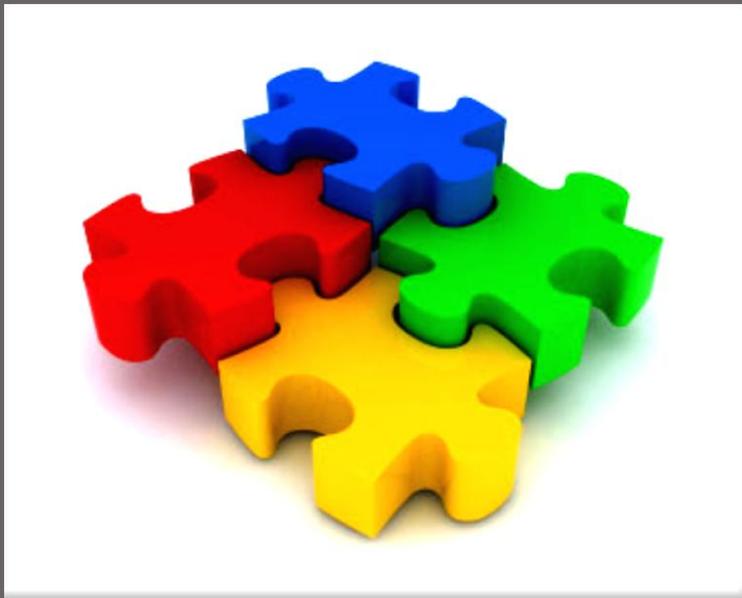
English, Larry. Information Stewardship—Giving IQ and Happiness (Business Intelligence Network, 2006).

Typical Data Life Cycle



Horizontal Integration

Many become one



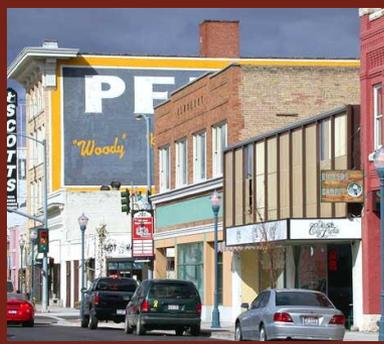
Source Stewards contribute data, usually in jurisdictional chunks, which are integrated into statewide data sets by the Framework Steward.

Vertical Integration



Using Framework
together and with other
spatial data

- Spatial harmony
- Attribute harmony

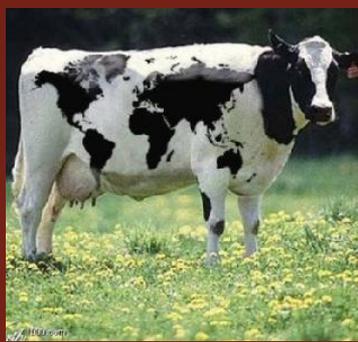


Who's responsible for what?

It will take all of us watching, working, resolving.

Leading the effort, the Framework Leadership Team, made up of Framework TWG Chairs, Workgroup Leads and the Framework Coordinator.

All under the auspices of the IGC and IGC Executive Committee

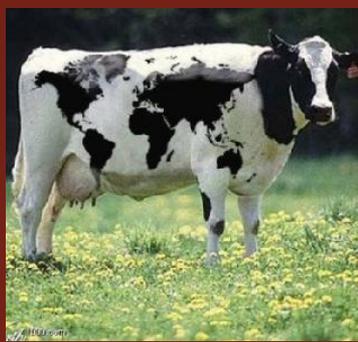
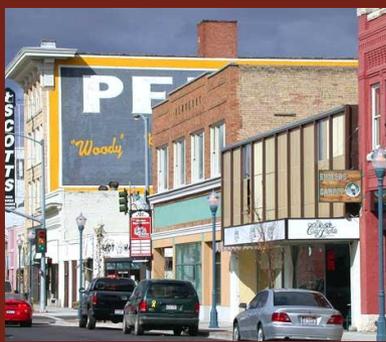


A **Fundamental Dependency** exists when one dataset cannot be completed before another dataset is completed.

Examples:

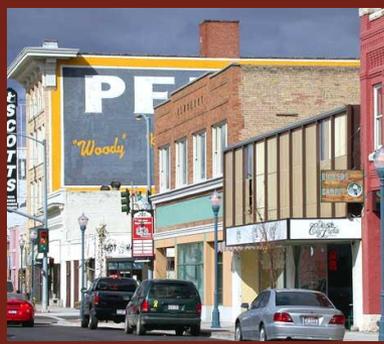
Legislative district boundaries are required for precincts

Elevation and Soils are required to determine landslide potential.



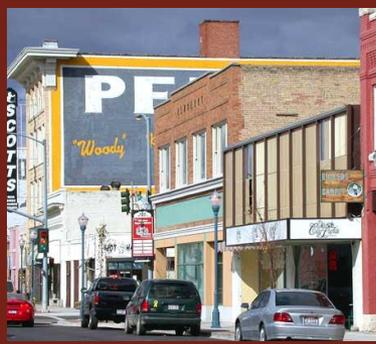
Some framework datasets **impact** the data found in other framework datasets.

For example, soil type is one of the drivers determining the vegetation growing on those soils. Therefore soil type dataset impacts the vegetation dataset. Understanding impacts can help with the QA/QC of data.



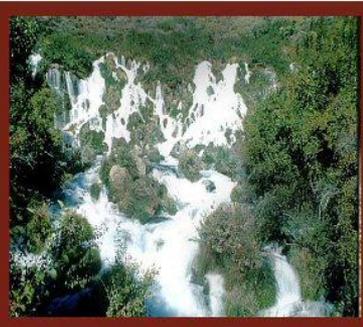
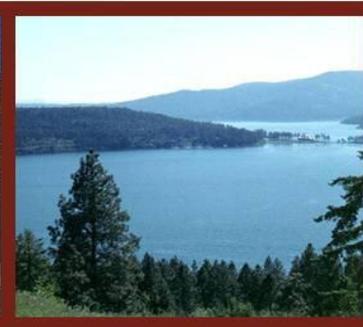
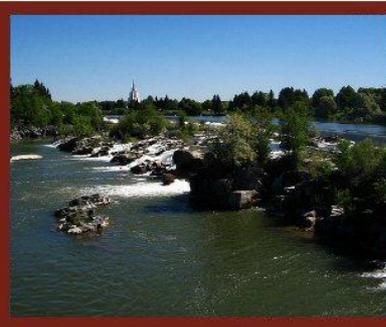
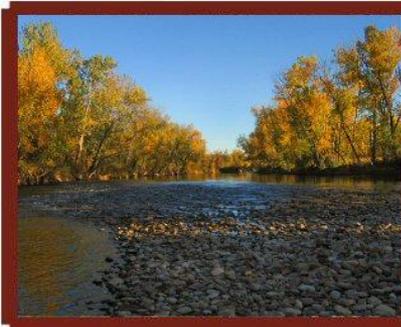
Interdependency exists where two or more framework datasets need to align correctly relative to each other.

For example, Roads Centerlines need to be properly aligned with the Hydrography so that bridges are positioned correctly.



Compile vertical relationship in Excel and Access Database

Legend	
	No Relationship
ID	Interdependency
FD	Fundamental Dependency
IP	Impact

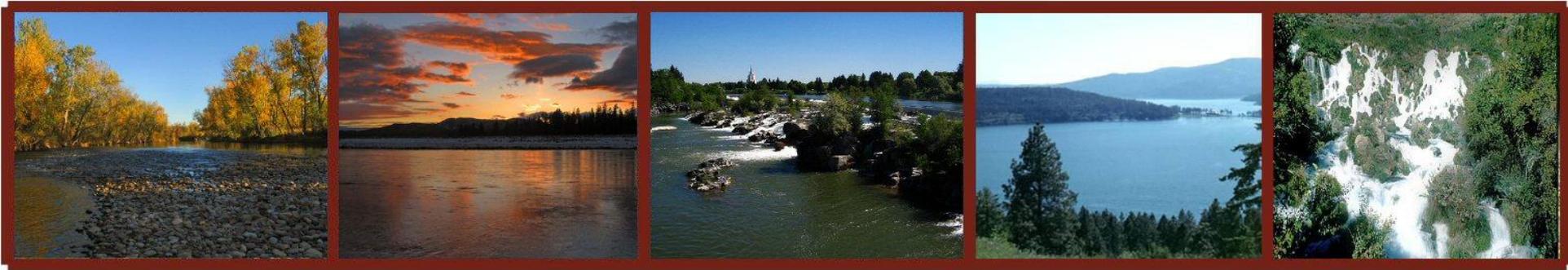


Looking at Vertical Integration



The Hydrography Perspective

Camas Prairie



What Framework dataset do you work with the most?

= **Hydrography**

What four other Framework datasets do you use the most in developing or updating your primary dataset referenced above? If you don't develop or maintain any Framework datasets, what do you know you would need if you did?

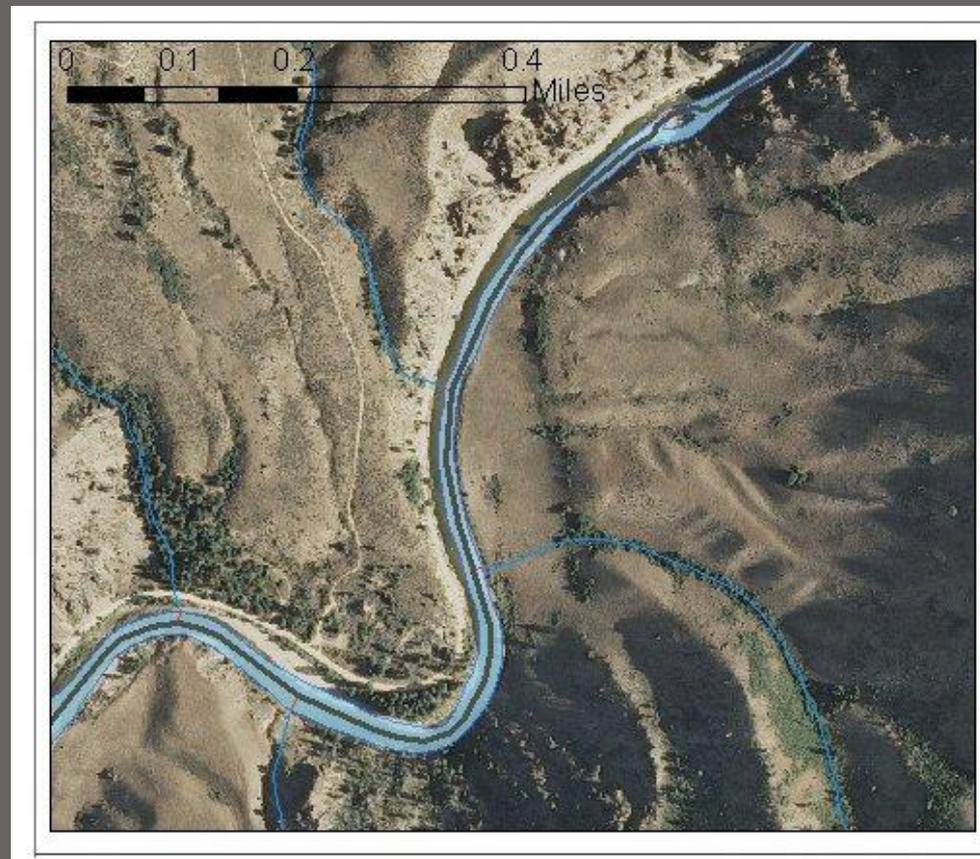
= **Elevation, Imagery, Government Boundaries, Transportation**

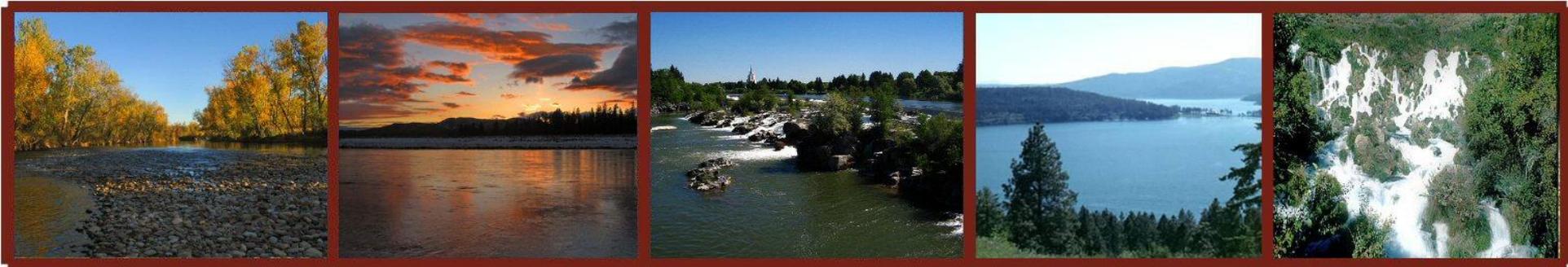


Fundamental Dependency:

Elevation Data Is Necessary To Delineate Watersheds.

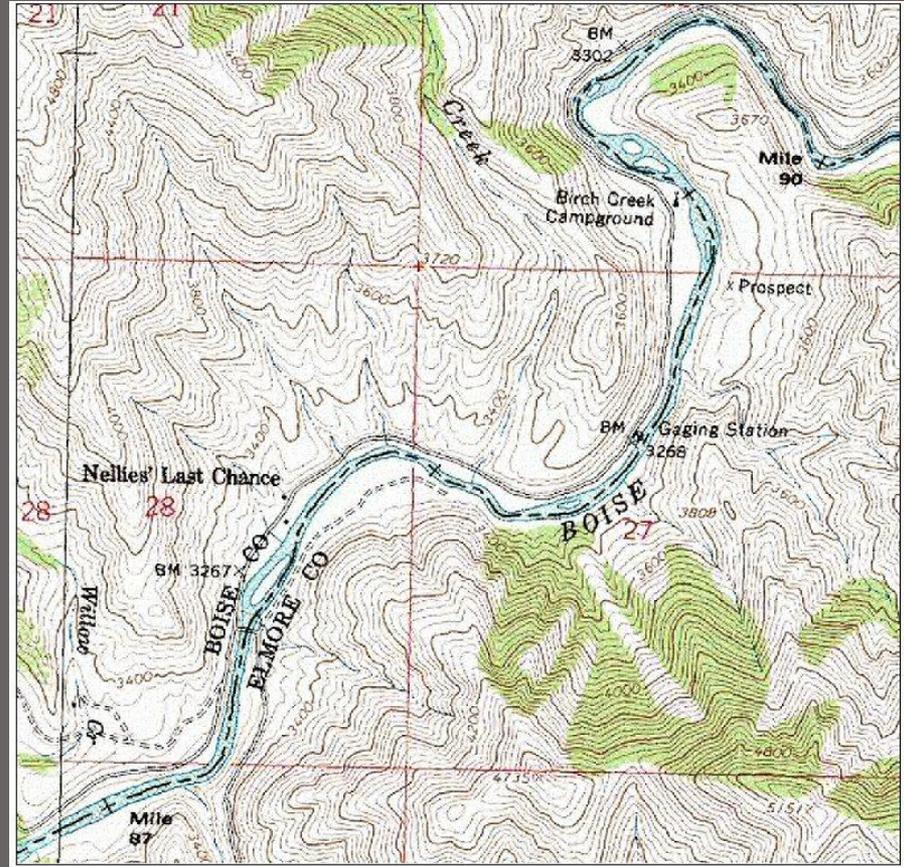
Imagery Is Used To Update Linear Hydrography.

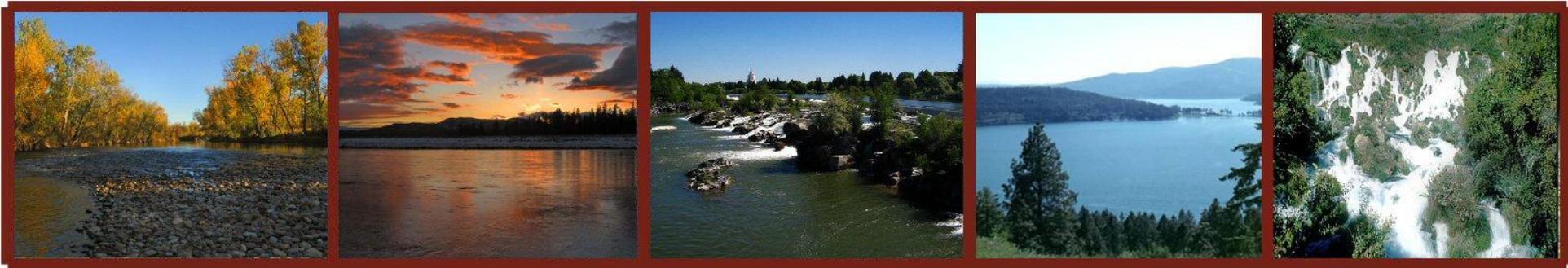




Impact:

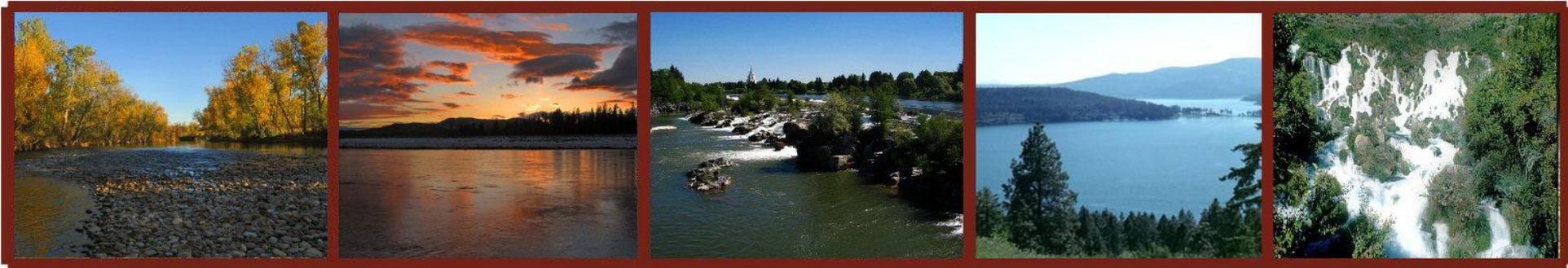
In Idaho, portions of State/County Boundaries are defined by hydrography.





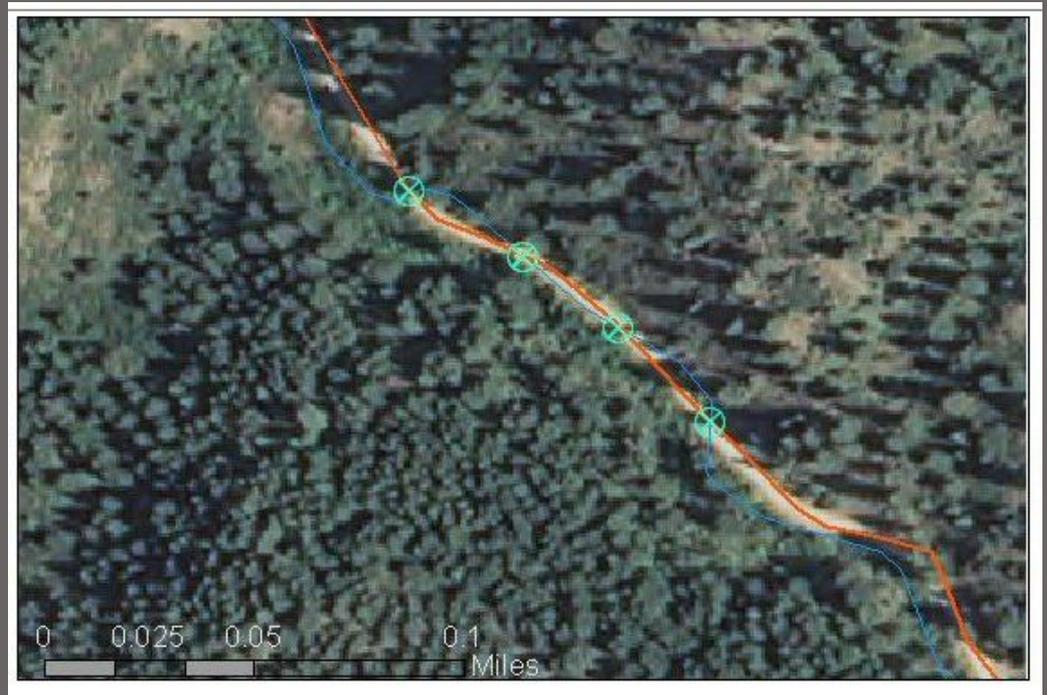
Interdependency: Transportation

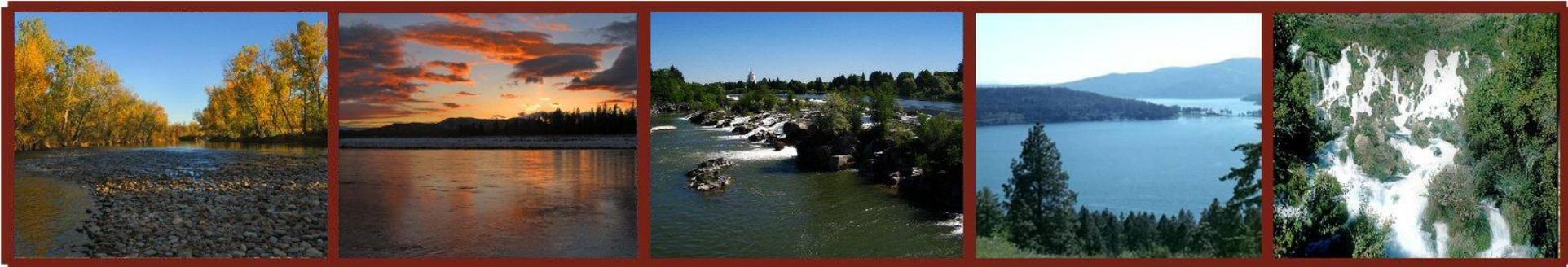




Vertical Integration:

Spatial Harmony?



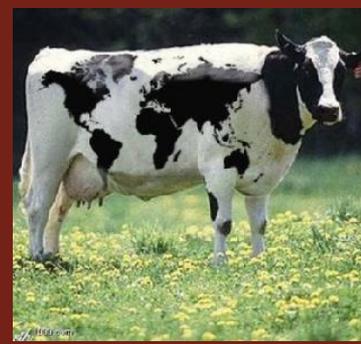
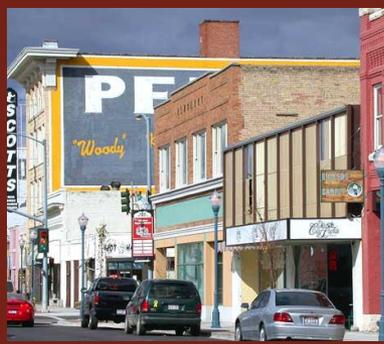


Vertical Integration:

Attribute Harmony?



Gimlet Bridge Blaine Co



Results of Exercise

More Information and Templates



Idaho Geospatial Office

Framework

http://gis.idaho.gov/portal/framework/framework_index.htm

- [Framework Diagram](#)

Stewardship

- [Framework Stewardship Overview](#)
- [Framework Stewardship](#)
- [Framework Stewardship Charter Template](#)
- [Framework Stewardship Plan Template](#)
- [Draft Model Resolution for Stewardship Charter \(Local Government\)](#)